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Special Issue Reprint

Advances in Intelligent Data Analysis and Its Applications

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This Special Issue sheds light on the escalating significance of intelligent data analysis and its applications in the era of burgeoning big data. It has emerged as a pivotal driver for progress across diverse domains, necessitating in-depth research and practical applications within this framework. This multifaceted endeavor facilitates the revelation of latent value within extensive datasets and provides robust support for innovation and progress across various industries. Consequently, the imperative nature of discussing and exploring the latest research developments in intelligent data analysis and its practical applications becomes apparent, representing a vital initiative to keenly discern and proactively address trends in the big data era. This compilation is dedicated to comprehensively exploring recent research advancements in intelligent data analysis, elucidating their specific manifestations in practical applications. Encompassing diverse and profound topics, including intelligent data mining algorithms and their applications, the integration of machine learning in intelligent data analysis, models for natural language processing, intelligent granular computing models, cognitive computing, and hybrid models, the overarching goal is to provide profound insights into the academic development of intelligent data analysis. This, in turn, extends innovative guidance for academic research and industrial applications, thereby nurturing the continuous advancement and evolution of intelligent data analysis technologies.

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